comparators

It consisted of the following main concepts

1-filters:

Low pass filter.

High pass filter.

Band pass filter.

Sharp selected band reject filter.

All pass filter.

2-buffers.

3-voltage control oscillators.

4-phase locked loops.

5-my drawing of speech.

6-encoders.

7-decoders.

8-analog to digital converter.

9-digital to analog converter.

10-logic gates:

And logic gates.

Or logic gates.

Xor logic gates.

Nand logic gates.

Nor logic gates.

Xnor logic gates.

Inverters .

11-amplifiers.

Also it can be described if the comparison between different inputs is exceed the biase point then the input will be amplified to my positive produced by Hosam mostafa,or if not it will be amplified to my negative produced by Hosam mostafa.